APPENDICES
LIBRARY AND DOCUMENTATION SERVICES

The Institutes Library provides following services to the staff and students:

1. Local Area Network (LAN) facility with 3 nodes terminal has been installed in the Library by M/s.HCL Infosystems Ltd. alongwith ISDN connection of high bandwidth for Internet browsing and email access.

2. Online Catalogue of Biomedical serials of various Indian Medical Libraries are accessible free of cost from http://uncat.nic.in by ICMR-NIC Centre, New Delhi.

3. J-Gate Custom content for Consortia (JCCC) through Informatics India Ltd. For resource sharing of various ICMR Libraries for maximizing the usage of Journals subscribed at different ICMR institutes.

4. ProQuest Medical Library Database & Ovid Core Biomedical Collection Full Text database for wide dissemination of articles and abstracts to various scientists and students from nearby ICMR Libraries can be made available on request.

5. Availability of Internet facility, email, round-the-clock.

6. Inter Library Loan facility for scientists and students.

7. As an Institutional member of British Council, the Library borrows books, journals, educational CD’s & Videos for our scientists.

8. Reprographic services on Multi digital copier are provided to staff, students and visitors.

9. Reprints of important articles are obtained by sending request forms to corresponding authors.

10. Automation of IIH Library with Library Management database (GLAS) has been carried out.

During the year following collections were added to the Library.

| Books       | 51 |
| Journals    | 2  |
| Bound Volumens | 74 |
| CD-ROM’s    | 28 |

11. Website address of the Institute: www.iihicmr.org

12. Email address: mohanty@bom5.vsnl.net.in
**COMPUTER & STATISTICAL SERVICES**

Computer department is basically a service department equipped with the latest computer system, a laser printer, colored inkjet printer, scanner and software like MS Office 97 and SPSS. The departments helps the M.Sc & Ph.D students in their thesis work by helping them in their data entry and analysis of data.

The department helps in the compilation and generation of Annual Report.

It conducts lectures for students and staff to help them to use the computer in their daily routine work.

Finally the LAN has been set up for easy assess of the data.

**PUBLICATIONS**

*International*

1. Shetty S, Ghosh K, Anbhavane S, Mohanty D.
   Requiem to prenatal diagnosis of haemophilia A and B using coagulation activity and antigen based assays: not yet!

2. Ghosh K, Madkaikar M, Jijina F, Gandhi S, Shetty S, Mohanty D.
   Open heart surgery with mitral valve replacement- ordeal of an undiagnosed haemophilia patient.

   DRB1*15 allele association among clinically definite Multiple sclerosis patients from Mumbai.
   Hum Immunol. 2003; 64(4):478-82

4. Shankarkumar U, Prasanavar D, Ghosh K and Mohanty D.
   HLA A*02 Allele Frequencies and B Haplotype Associations in Western Indians.
   Human Immunology 2003 May; 64(5): 562-6.

5. Sukumar S., Mukherjee MB, Colah RB, Mohanty D.
   Molecular characterization of G6PD Insuli-a novel 989 CGC →CAC (330 Arg→His) mutation in the Indian population.

   Co-existence of the codon 16 (-C) (beta(o)) and codon 10 (C-->A) (beta+) mutations on the same beta-globin gene.


17. Shetty S, Ghosh K, Mohanty D.
ELISA for factor VIII antibodies: does it detect antibodies much before the conventional Bethesda assay?

18. Ghosh K, Nabar A, Shetty S, Soren D, Mohanty D.
Is there a prethrombotic state in left atrial blood in rheumatic mitral stenosis?

19. Ghosh K
CMV seropositivity and mycosis fungoides -- the Indian perspectives.

20. Ghosh K, Nair S, Kulkarni B, Shetty S, Mohanty D.
Milder bleeding tendency in Glanzmann's thrombasthenia patients inheriting HPA-1b in the homozygous state.

Severe megakaryocytic dysplasia in a case of myelodysplasia progressing to acute megakaryocytic leukemia presenting with dic (1;16)(q21;p13.3) and t(1;22)(p13;q13).

22. Ghosh K, Trasi S, Nair S, Shetty S, Mohanty D.
Prevalence of inherited bleeding disorders in cases of idiopathic menorrhagia: a case of five blind men describing an elephant.

HLA associations in ANCA positive patients from Mumbai, India.
Hum Immunol 2003; 64(10), Supl.1: S80.

Association of HLA B*3520, B*1801, and Cw*1507 with HIV-1 infection in Maharashtra, India.

Experience with eosin-5'-maleimide as a diagnostic tool for red cell membrane cytoskeleton disorders.
26. U. Shankarkumar
HLA-B27 allele diversity in Indians: impact of ethnic origin and the caste system.

27. Manisha Madkaikar and Kanjaksha Ghosh.
Treating patients of myelodysplastic syndrome with antithrombocytic globulin—should we be more selective?

Contribution of Genetic Factors in Variation of Clinical Severity among Siblings with Homozygous β-thalassemia in two Indian families.

29. Kanjaksha Ghosh
Haemopoietic Stem Cells: surprises never end.

Platelet function tests using platelet aggregometry: need for repetition of the test for diagnosis of defective platelet function.


32. Mohanty D, Ghosh K, Shetty S.
Selection bias largely explains the differential distribution of factor V Leiden different patient populations between the centers—a rebuttal.

Production of murine monoclonal antibody to fetal hemoglobin.
Hemoglobin 2003 Nov;27(4):229-34.

34. Chhotray GP, Dash BP, Ranjit MR, Colah RB, Mohanty D.
Haemoglobin E/beta-thalassaemia – an experience in the eastern Indian state of Orissa.

35. Ghosh K, Shetty S, Jijina F, Mohanty D.
Role of epsilon amino caproic acid in the management of haemophilic patient with inhibitors.

36. Ajit C Gorakshakar, Supriya P. Phanasgaonkar, Anita H Nadkarni, Roshan B Colah and Dipika Mohanty
Detection of Rare β-Thalassemia Mutations by Denaturing Gradient Gel Electrophoresis Among Indians.

37. Shrimati Shetty, Kanjaksh Ghosh, Dipika Mohanty
Genetic disorder following assisted reproductive technology – prevent if you can, but always counsel!

Geography too determines the causes of inherited thrombophilia.

Increased incidence of cytoplasmic ANCA (cANCA) and other autoantibodies in Leprosy patients from Western India.

40. U Shankarkumar
HLA associations in leprosy patients from Mumbai, India.

National

1. Rao VB, Seema K, Lily K, Ghosh K, Mohanty D.
Trisomy 22 with unusual phenotype

2. U Shankarkumar
Xenotransplantation Ethics and Immunological Hurdles!
Ind J Med Sci. 2003; 57(7): 311-18

Combined Down and Klinefelter syndrome.

4. Shrimati Shetty, Kanjaksha Ghosh, Dipika Mohanty
Prenatal Diagnosis in a Haemophilia A family by Both Factor VIII Activity and Antigen Measurements.

5. F Jijina, Kanjaksha Ghosh, M.Mukherjee, Dipika Mohanty
Hereditary spherocytosis in North India: Need for More extensive data
JAPI 2003 Oct; 51:1025

6. U.Shankarkumar
HLA A19 subtypes and B loci related haplotype in selected caste groups from the Indian population.

Alternate strategies for carrier detection and antenatal diagnosis in haemophiliacs in developing countries.

8. K.Ghosh, D.Mohanty
Teaching of Medical Genetics in the Medical Colleges of India- Way ahead
Ind J Hum Genet 2003 Jan-June; 9(1): 43-44. (editorial)

9. VD Pradhan, SS Badakere, AR Pawar, AF Almeida
Anti-Myeloperoxidase antibodies in patients with microscopic polyangiitis.

10. Mukherjee MB
Molecular genetics of sickle cell disease: an overview.

Papers Accepted for publication:

Human platelet specific antigens and their importance. Indian Pediatrics. 2004 (41;797-805).


6. a Mohanty, Bipin Kulkarni, Kanjaksha Ghosh, Sona Naik, Amit Khare. Human platelet specific antigens and their importance. Indian Pediatrics. 2004 (41);797-805,


Conference/Meetings & Workshops attended.

International

1. Dr. Shrimati Shetty, Research Officer was awarded “Reach the developing world travel grant” from International society of thrombosis and haemostasis to participate in their annual conference held from 12th - 18th July 2003.

   Following papers were presented in the conference.

   a. Glanzmanns thrombosthenia – how different it is from other ethnic groups.
   b. Direct detection of factor IX gene deletion in Indian haemophiliacs by multiplex PCR.

2. Dr. D. Mohanty presented the following papers in the annual conference of International society of thrombosis and haemostasis held at Birmingham from 12th – 18th July 2003.

   a. Burden of Von Willebrand disease in India.
   b. Diagnosis of neonatal alloimmune thrombocytopenic purpura (NAITP) by genotyping and human platelet antigen frequency in the Indian Population.
3. Dr. D. Mohanty attended the 25th session of South East Asia advisory committee for health research at Maldives from 9th – 13th August 2003.


National

Dr. Roshan Colah participated in the investigators meeting of the Jai Vigyan Project on community Control of Thalassemia at Kolkata from 1st to 2nd April 2003.

Dr. Aruna Pawar, Mrs. Manisha Patwardhan, attended workshop on Confocal Microscopy at Tuberculosis Research Centre, Chennai from 7th to 8th April 2003.

Dr. D. Mohanty attended the project review committee meeting at ICMR, New Delhi on 8th April, 2003.

Mrs. Shrutika Chipkar, attended External Quality Assurance (E.Q.A) training Daman SACs and Silvassa SACs from 9th to 10th April 2003.

5. Dr. D. Mohanty attended the meeting on “stem cell research” at Bharatiya Vidya Peth, Pune on 19th April, 2003.

6. Dr. D. Mohanty attended the Scientific Advisory Committee at ICMR, New Delhi on 23rd April, 2003.

7. Dr. Aruna Pawar, attended a workshop on “Biomedical Wastage Management” at Nair Hospital Mumbai on 26th April 2003.

8. Dr. D. Mohanty, officer in charge attended the task force meeting of Human Genetics and genome analysis at DBT, New Delhi from 6-7th May 2003.

9. Dr. Roshan Colah, Asst Director, organised a Quality Control Workshop for technicians and evaluation programme for medical social workers of the different centres under the Jai Vigyan Mission project on community control of Thalassaemia from 10th-11th May 2003.

10. Dr. D. Mohanty delivered a lecture on “Flow Cytometry for platelets” followed by panel discussion at Hinduja Hospital, Mumbai on 17th May 2003.

11. Dr. D. Mohanty attended the scientific Advisory committee meeting of RMRC, Jabalpur, from 8th - 9th July 2003.
12. Dr. Roshan Colah was invited to give a talk on “National Thalassaemia Control Programme “ by moving academy of medicine and Biomedicine at Sion Hospital, Mumbai on 12th July 2003.


14. Dr. S.S.Badakere, attended a national symposium on “Molecular Maneuver in biological different systems” organised by Department of Biosciences, Sri Satya Sai Institute of higher learnings, Puttaparthi from 8th - 10th August 2003.

15. Dr. K. Vasantha, Asst. Director, attended a workshop on “ Quality Management in blood transfusion services” organised by Indian Red Cross Society, in collaboration with American Red Cross, at Hyderabad 18 – 23rd August 2003. During the workshop invited to give lectures on “ Human blood group system, cross matching procedures detection of atypical antibodies on 19th and 20th August 2003.

16. Dr. D. Mohanty attended the DBT task force meeting on Human Genetic and Genome analysis at New Delhi on 25th August 2003.

17. Dr. D. Mohanty, Emiretus Scientist and Officer-Incharge attended Human Genetics task force meeting of ICMR at ICMR, New Delhi on 5th Sept 2003.

18. Dr. D. Mohanty attended WHO Regional Committee meeting for South East Asia held at Regional Office, WHO SEARO, New Delhi from 10th to 13th Sept 2003.


20. Dr. M. Madkaikar, Senior Research Officer, participated in 3rd Indo-US workshop on “ Application of flowcytometry in drug mechanism” organized by Regional Research Laboratories (CSIR) at Jammu from 15th to 19th Sept 2003.


22. Dr. D. Mohanty attended the Scientific Advisory Committee meeting of NIRRH at Mumbai from 22nd to 23rd Sept 2003.

24. Dr. K. Ghosh Deputy Director was invited to give following lectures at Institute of Haematology and Transfusion Medicine, Calcutta from 25th to 28th Sept 2003.
   a. Carrier detection and antenatal diagnosis in Haemophilia families, NRS Medical College, Calcutta.
   b. Thrombophilia in young DVT cases and management of DVT cases at Sammiloni Medical College, Bankura.

25. A meeting on “Intervention programme for nutritional anemia” was held at our Institute from 29th to 30th Sept 2003.

26. The Scientific Advisory Committee was held at our Institute from 7th to 8th Oct, 2003.

27. Dr. D. Mohanty attended the SAC meeting of RMRC Dibrugarh, from 9th to 10th Oct, 2003.

28. Dr. Roshan Colah, Asst Director, visited RMRC, Dibrugarh to review the progress of work on Jai Vigyan Project on “Community Control of Thalassemia” and the North – East project on “Incidence and Molecular characterization of G6PD deficiency” from 9th to 10th October 2003.

29. Dr. K. Vasantha, invited to give a lecture on “Blood grouping and crossmatching” during the “Continuing Education Programme” organized by Indian Pharmaceutical Association, State Blood Transfusion Council and H.N. Hospital, at Mumbai, on 11th October, 2003.

30. Dr. D. Mohanty attended the IIFAC meeting held at Bangalore on 22nd October 2003.

31. Dr. D. Mohanty attended the APICON, Orissa state branch, at Sambalpur from 8th to 9th Nov, 2003.

32. Dr. Roshan Colah, gave a guest lecture on “Prenatal Diagnosis of Hematological Disorders” during the VII national Conference on Pediatric Hematology and Oncology, at Indian Academy of Padiatrics Chapter, Pune on 9th Nov, 2003.

33. Dr. D. Mohanty, attended advisory committee meeting at Institute of Science Mumbai on 14th November 2003.

34. Dr. D. Mohanty and Dr. K. Ghosh attended the ISHTM meeting at New Delhi from 17th to 18th November, 2003.
35. Dr. S.S. Badakere, & Ms. Vandana Pradhan attended the 30th annual meeting of Indian Immunology Society and presented at Lucknow, from 23rd to 25th Nov, 2003.

36. Dr. D. Mohanty attended the 20 years celebration of Haemophilia Federation at New Delhi, from 24th to 26th Nov, 2003.

37. Dr. A. Nadkarni, attended User’s meet – DNA sequences / Real time PCR organised by Lab-India at Khandala from 26th to 27th Nov, 2003.

38. Dr. D. Mohanty invited for vivo examination of MD degree at SGPGI, Lucknow from 12th to 13th Dec, 2003.

39. Dr. D. Mohanty attended the 5th SASS International conference on “Emerging concepts in Leukaemia and Lymphoma” and also panalist in the session on stem cell transplantation at New Delhi, from 14th to 16th Dec 2003.

40. Dr. A. Nadkarni and Dr. S. D. Shetty, attended workshop on “Real time PCR” organised by Lab India at New Delhi on 15th Dec 2003.

41. Dr. K. Vasantha invited to deliver a lecture on “Quality in Blood transfusion services laboratories and Essential Quality Elements in Immunohaematology” in the International symposium on Total quality management in Blood transfusion services” organised by Prathama Blood Centre at Ahmedabad from 19th to 20th Dec, 2003.

42. Dr. D. Mohanty, Dr. K. Ghosh, Dr. M.B. Mukherjee, Dr. Anita Nadkarni, Mr. P.S. Kedar, Mr. J.P. Devraj, Mrs. A. Minaxi attended the 29th Annual Conference of Indian Society of Human Genetics held at NIMHANS, Bangalore from 8th to 11th Jan 2004.

43. Dr. K. Vasantha, delivered a guest lecture in the mini update CME in blood banking at Sion Hospital, Mumbai on 16th Jan 2004.

44. Dr. Roshan Colah, was a member of the selection committee as subject expert in Biochemistry and Microbiology to select teachers fellowship scheme for doing Ph.D. during the Xth plan period on 20th Jan, 2004.

45. Dr. D. Mohanty and Dr. Roshan Colah attended the VIII National Conference of Indian society of prenatal diagnosis and therapy (ISPAT) at Ahmedabad from 23rd to 25th Jan 2004 and delivered following lectures.

a. Dr. D. Mohanty – Prenatal diagnosis in bleeding disorders.
b. Dr. Roshan Colah – Implications of profile of mutations for prenatal diagnosis of Thalassemia.

46. Dr. Y.S.Iyer, was invited for a workshop on advanced techniques in Biotechnology to give lecture on “Monoclonal antibodies” held at Rai University, Mumbai on 1\textsuperscript{st} Feb, 2004.

47. Dr. Anita Nadkarni was invited to give a lecture on “Genetics of hematological disorder” in workshop on “Advanced techniques in Biotechnology” held at Rai University on 1\textsuperscript{st} Feb, 2004.

48. Dr. Anita Nadkarni was invited to give a lecture on “Prenatal diagnosis of hemoglobinopathies” in Dr. Ganatra Trust CME on Advances in prenatal diagnosis held in Mumbai on 22\textsuperscript{nd}, Feb 2004.

49. Dr. Y. S. Iyer invited by Rai University as chief guest for valedictory function in a workshop on “Advanced techniques in Biotechnology” on 1\textsuperscript{st} Feb, 2004.

50. Dr. D. Mohanty attended the DBT task force meeting on Human Genome at DBT, New Delhi from 5\textsuperscript{th} to 6\textsuperscript{th} Feb, 2004.

51. Dr. Roshan Colah gave an invited talk on “Molecular Genetics of Hemoglobinopathies for nursing students at Genetic Research Centre NIRRH, Mumbai on 12\textsuperscript{th} Feb, 2004.

52. Dr. Y.S.Iyer and Dr. V.Babu Rao attended “ICMR – WHO workshop on IPR and WTO issues” held at Regional Medical Research Centre for tribals, Jabalpur from 16\textsuperscript{th} to 17\textsuperscript{th} Feb, 2004.

53. Dr. D. Mohanty attended the Research Advisory Group meeting at Hinduja Hospital, Mumbai on 21\textsuperscript{st} Feb, 2004.

54. Dr. D. Mohanty and Dr. Roshan Colah participated in the 2\textsuperscript{nd} international update on sickle cell disease and other sickling syndromes at Nagpur from 28\textsuperscript{th} to 29\textsuperscript{th} Feb, 2004.

55. Dr. D. Mohanty , Dr. Roshan Colah and Dr. M.B.Mukherjee attended the investigators meet of the project on Intervention Programme for Nutritional Anemia and Sickle Disease among Primitive tribals at Nagpur on 1\textsuperscript{st} March 2004.

56. Dr. D.Mohanty attended the Research Society Meeting at Jaslok Hospital, Mumbai on 4\textsuperscript{th} March, 2004.
57. Dr. Roshan Colah gave an invited talk on “Application of variant analysis for prenatal diagnosis of hemoglobinopathies at the Biorad Users meet in Mumbai, Kolkata and Delhi at Mumbai from 12th to 14th March 2004.

58. Dr. Y.S. Iyer, Dr. K. Vasantha, Mrs Swati Kulkarni, Technical Officer invited to give lectures during Transfusion Medicine update 2004, Organised by the Janakalyan Raktapedhi at, Pune on 27th March, 2004.

59. Dr. D. Mohanty, Dr. S.S. Badakere, Dr. A.C.Gorakshakar, Dr. U.Shankar Kumar, Dr. V. Babu Rao, Mr. Bipin Kulkarni, Ms. Vandana Pradhan, Mrs. Reema Surve, Mrs. Pratibha Sawant, Mr. Amit Khare, Ms. Sonal Vora attended 28th Annual Conference of Mumbai Haematology Group held at LTMG Hospital, Mumbai from 26th to 28th March, 2004.

Papers Presented in Meetings/ Conferences

International

1. Dr. Shrimati Shetty, Research Officer was awarded ‘Reach the developing world travel grant’ from International society of thrombosis and haemostasis to participate in their annual conference held from 12th - 18th July 2003.

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National

1. Dr. S.S. Badakere, Deputy Director (SG), attended a national symposium on “Molecular Maneuver in biological different systems” organised by Department of Biosciences, Sri Satya Sai Institute of higher learnings, Puttaparthy from 8th - 10th August 2003. Papers presented on “Immuno biology of ANCA associated vesculities”.

2. Dr. S.S. Badakere, attended the 30th annual meeting of Indian Immunology Society and presented a paper on “ANCA in spectrum of Wegners Granulomatosis” at Lucknow, from 23rd to 25th Nov, 2003.

4. Dr. D. Mohanty, and the following staff attended the 29th Annual Conference of Indian Society of Human Genetics held at NIMHANS, Bangalore from 8th to 11th Jan 2004.
   
   a. Dr. K. Ghosh, – New alleles of the VWF1 and VWF2 polymorphism markers of intron 40 in VWF gene population from Western India.
   
   b. Dr. V. Babu Rao, – Prenatal Origin of extra chromosome in Down Syndrome children.
   
   c. Dr. M.B. Mukherjee, – Polymorphism of twelve short tandem repeat loci in seven Primitive tribal groups of India: A preliminary report.
   
   d. Dr. Anita Nadkarni, – Beta thalassaemia intermedia caused by compound heterozygosity of promotomer mutation 88 (C → T) and the rare IVS1 NT 130 (G → C) mutation.
   
   e. Mr. P.S. Kedar, – Molecular characterization of PK-LR gene in pyruvate Kinase – deficient patients.
   
   f. Mr. J.P. Devraj – Role of HLA in renal transplant patients from Mumbai.
   
   g. Mrs. A. Minaxi – Cytogenetic study in 95 couples with repeated spontaneous abortions.

5. Dr. D. Mohanty and following staff and students attended 28th Annual Conference of Mumbai Haematology Group held at LTMG Hospital, Mumbai from 26th to 28th March, 2004.
   
   a. Dr. S.S. Badakere, and Dr. Roshan Colah were guest speakers for the Panel Discussion on “Autoimmune Hemolytic Anemia”
   
   b. Dr. A.C. Gorakshakar – A rare transcriptional β – mutation – 9 D (C → T) in an individual from Bangladesh.
   
   c. Dr. U. Shankar Kumar – Molecular diversity of HLA Cw alleles among Maratha Community: Its implications in Bone Marrow Transplantation.
   
   d. Dr. V. Babu Rao – Cytogenetic study of myelodysplastic syndrome. The paper was selected for Dr. L.D. Sanghvi award.
e. Mr. Bipin Kulkarni – was awarded “Dr. J.C. Patel award” for his presentation entitled “Frequency distribution of Human platelet antigen (HPA) in the Indian population and its association with neonatal alloimmune thrombocytopenic purpura (NAITP)”


g. Mrs. Reema Surve – Is red cell distribution width a useful measure of distinguishing Iron deficiency anemia from ß Thalassaemia trait and other hemoglobinopathies.


i. Miss. Sona Nair. Senior Research Fellow – Novel mutation in Glanzman Thrombosthemia from Western India.

j. Mr. Amit Khare – Combination of Thrombophilia markers in acute myocardial infraction.

k. Ms. Sonal Vora – Prevalence of Lupus inhibitor in cohort of pregnant women having bad obstetric history.

**LIST OF THE SAC MEMBERS**

1. Prof. N.K. Ganguly
Director General,
V. Ramalingaswamy Bhavan,
Indian Council of Medical Research,
Ansari Nagar, P.O. Box No. 4911.
New Delhi.- 110 029.

2. Prof. K.C. Das
Prof. & Head of Pathology,
University of Kuwait,
Safat, Kuwait.

3. Dr. Nishi Madan
Head, Dept. of Pathology,
University of College of Medical Sciences,
GTB Hospital, Shadbana,
New Delhi.

4. Dr. Subhash Salunke
Director,
Directorate of Health Services,
Govt. of India, 4th Floor, St. George Hospital,
5. Dr. J. G. Jolly
   House No. 1, Sector 10-A,
   Chandigarh – 160 010.

6. Dr. Syed Hasnain,
   Centre for DNA Finger Printing & Diagnostics,
   Nacharam, Hyderabad – 500 076.

7. Dr. S.M. Sapatnekar,
   Director,
   Haffkine Institute, Parel, Mumbai.

8. Dr. Neelima Kshirsagar,
   Dean, KEM Hospital, Parel, Mumbai.

9. Dr. V.L. Ray
   Director,
   National Plasma Fractionation Centre,
   KEM Hospital, Parel, Mumbai – 12.

10. Dr. Tapan Saikia,
    Addl. Professor,
    Tata Memorial Hospital, Mumbai.

12. Dr. Vinod Kochupillai,
    Prof & Head,
    Medical Oncology,
    Rotary Cancer Hospital,
    AIIMS, Ansari Nagar,
    New Delhi – 110 029.

13. Dr. Siddharta Majumdar
    Dept. of Experimental Medicine,
    PGIMER,
    Sector 12, Chandigarh – 160012.

14. Dr. Malay Ghosh
    Prof. Dept. of Heamatology,
    NRS Medical College,
    Entally, Kolkatta – 12.

15. Dr. R.S. Paranjape
    Director,
    NARI, Plot No. 73 ‘G’ Block,
MIDC, Bhosari, 
Post Box No. 1895, Gram Nari 
Pune- 411021.

Members & Secretary

16. Dr. Vasantha Muthuswamy 
    Sr. Deputy Director General, 
    Chief, Division of BMS, 
    V.Ramalingaswamy Bhavan, 
    Indian Council of Medical Research, 
    Ansari Nagar, P.O.Box No. 4911, 
    New Delhi – 110 029.

17. Dr. Dipika Mohanty 
    EMS, Institute of Immunohaematology, 
    13th Floor, NMS Bldg, 
    KEM Hospital, Parel, Mumbai - 12


Particulars showing the assets purchased during the year 2003-2004.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of the Assets</th>
<th>Quantity</th>
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<td>C0₂ Incubator</td>
<td>1</td>
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<td>2.</td>
<td>Open HPLC System with Amino Acid Analyzer</td>
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<td>3.</td>
<td>Dedicated HPLC Automated Hemoglobin Analysis</td>
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<td>Digital Ph Meter</td>
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<td>ID-Centrifuge 6 S With Gel Card</td>
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<td>6.</td>
<td>Submarin Electrophoresis Unit with Power Supply</td>
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<td>Biological Safety Cabinet Class-2 with Vertical Laminar Air Flow</td>
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<td>Godrej Refrigerator</td>
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<td>1.</td>
<td>NUTRITIONAL ANEMIA &amp; HAEMOGLO BINOPATHIES IN TRIBAL PROJECT</td>
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<td>Krispcold Deep Freezer VDF-100</td>
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HEADS OF THE INSTITUTE COLLABORATING WITH
INSTITUTE OF IMMUNOHAEMATOLOGY

1. Dr. N. Kshirsagar : Dean,
   Seth G.S.Medical College &
   KEM Hospital, Mumbai – 12.

Workshop Conducted

A workshop on Quality Control for Technicians and Evaluation Programme for Medical Social Workers of the Jai Vigyan Project on Community Control of Thalassemia was conducted from 10\textsuperscript{th} to 11\textsuperscript{th} May, 2003.

ACTIVITIES OF THE INSTITUTE
TRAINING COURSE

List of the candidates who attended the training course for Blood Bank Medical Officers from 17\textsuperscript{th} February to 31\textsuperscript{st} March, 2004
List of the candidates who attended the training course for Blood Bank Technicians from 17th February to 17th March, 2004

1. Mr. Bhaichung Bhatia  
   Blood Bank, Govt. General Hosp, Namchi, South Sikkim.

2. Mr. Atulya Sahoo  
   Central Red Cross Blood Bank, Mangalabaug, Cuttack – 753 007

3. Mr. Khushal Satpute  
   Mahatma Gandhi Inst. Of Med. Sciences, Sewagram, Maharashtra

4. Mr. Prashant Borkar  
   District General Hosp, Chandrapur, Maharashtra

5. Mr. Premlal Birla  
   Pt. J.N. Medical College & Dr. BR Ambedkar Hosp, Raipur, Chattisgarh

6. Mr. Vilas Chadigaonkar  
   Blood Bank, KEM Hospital, Mumbai.

7. Mr. Munshi Mohd. Munaf  
   Lalla Ded Hospital, Srinagar, J&K.

8. Mr. Syed Khalid Muzaffar  
   Bone & Joint Hospital, Associated Hosp. Of Govt. Medical College, Srinagar.

9. Mr. Manish Kumar Datta  
   Inst. Of Blood Transf. Medicine & Immunohaematology, Govt. of West Bengal, 205, Vivekananda Rd, Kolkatta – 700 006

10. Mrs. B.K. Nirmala  
    Blood Bank, Victoria Hospital, Bangalore – 560 002

11. Mr. Th. Munindro Singh

12. Mr. Prabhakar Pawar

14. Mrs. Shubhada Golatkar RN Cooper Hospital Mumbai.

<table>
<thead>
<tr>
<th>List of the candidates who attended the training course for Advanced Hematology &amp; Immunohaematology from 19th to 30th April 2004</th>
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<tbody>
<tr>
<td>1. Dr. S.R. Khandwala - Surat</td>
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<tr>
<td>2. Dr. J.S. Mehta - Nagpur</td>
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<tr>
<td>3. Dr. Devenkumar V. Desai - Vadodara</td>
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<td>4. Dr. George Alice Gifty - Mumbai</td>
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